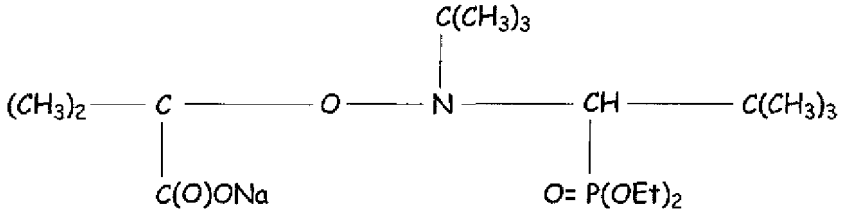
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

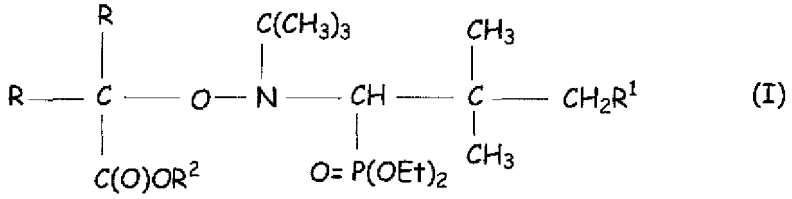
Claims

1-2. (canceled)

3. (currently amended) Alkoxyamines ~~of Claim 1~~ of the formula: Sodium 2-methyl-2-[N-(tert-butyl)-N-(diethoxyphosphoryl-2,2-dimethylpropyl)aminoxy]propionate:

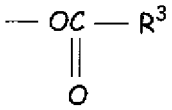


4. (currently amended) A method for (co)polymerizations of at least one monomer which can be polymerized by the radical route under bulk, solution, emulsion, suspension or miniemulsion conditions comprising reacting, with said at least one monomer, in the absence of free nitroxide, alkoxyamines of formula:



(I)

in which R represents a linear or branched alkyl radical having a number of carbon atoms ranging from 1 to 3, R^1 represents a hydrogen atom or a residue:



in which R^3 represents a linear or branched alkyl radical having a number of carbon atoms ranging from 1 to 20, and R^2 represents a hydrogen atom, a phenyl radical, an alkali metal, H_4N^+, Bu_4N^+ or Bu_3HN^+, exhibiting a kinetic dissociation constant kd, measured at 120°C by EPR, of greater than 0.05 s^{-1} and preferably of greater than 0.1 s^{-1}.

5. (currently amended) The method of Claim 4 wherein R = CH_3-, R^1 = H and R^2 is selected from the group consisting of H, ~~CH_3, $(CH_3)_3C$,~~ Li and Na.

6-7. (canceled)

8. (previously presented) The method of claim 4, characterized in that the monomer or monomers which can be polymerized by the radical route are chosen from vinylaromatic monomers, dienes, (meth)acrylic monomer, (meth)acrylate monomers, methyl acrylate, ethyl acrylate, butyl acrylate, ethylhexyl acrylate, phenyl acrylate, 2-hydroxyethyl acrylate, 2-methoxyethyl acrylate, methoxypolyethylene glycol acrylates, ethoxypolyethylene glycol acrylates, methoxypolypropylene glycol acrylates, methoxypolyethylene glycol-polypropylene glycol acrylates or their mixtures, 2-(dimethylamino)ethyl acrylate (ADAME), [2-(acryloyloxy)ethyl]-trimethylammonium chloride, [2-(acryloyloxy)ethyl]trimethylammonium sulphate, [2-(acryloyloxy)ethyl]dimethylbenzylammonium chloride , [2-(acryloyloxy)ethyl]dimethyl-benzylammonium sulphate, methacrylic acid or its salts, methyl methacrylate, lauryl methacrylate, cyclohexyl methacrylate, allyl methacrylate, phenyl methacrylate, 2-hydroxyethyl methacrylate, 2-hydroxypropyl methacrylate, 2-ethoxyethyl methacrylate, methoxypolyethylene glycol methacrylates, ethoxypolyethylene glycol methacrylates, methoxypolypropylene glycol methacrylates, methoxypolyethylene glycol-polypropylene glycol methacrylates, 2-(dimethylamino)ethyl methacrylate (MADAME), [2-(methacryloyloxy)ethyl]trimethylammonium chloride , [2-(methacryloyloxy)ethyl]trimethylammonium sulphate, [2-(methacryloyloxy)ethyl]dimethylbenzylammonium chloride , [2-

(methacryloyloxy)ethyl]dimethylbenzylammonium sulphate, 2,2,2-trifluoroethyl methacrylate, 3-methacryloyloxypropyltrimethylsilane, ethylene glycol methacrylate phosphate, hydroxyethylimidazolidone methacrylate, hydroxyethylimidazolidinone methacrylate, 2-(2-oxo-1-imidazolidinyl)ethyl methacrylate, acrylonitrile, substituted (meth)acrylamides, 4-acryoylmorpholine, N-methylolacrylamide, acrylamidopropyltrimethylammonium chloride (APTAC), acrylamidomethylpropanesulphonic acid (AMPS) or is salts, methacrylamide, N-methylolmethacrylamide, methacrylamidopropyltrimethylammonium chloride (MAPTAC), itaconic acid, maleic acid or its salts, maleic anhydride, vinylpyridine, vinylpyrrolidinone, (alkoxy)poly(alkylene glycol) vinyl ethers, vinylpyrrolidinone, (alkoxy)poly(alkylene glycol) divinyl ethersor a mixture of at least two of said monomers.

9. (previously presented) The method according to Claim 8, characterized in that at least one of the monomers is butyl acrylate.

10. (previously presented) The method according to Claim 8, characterized in that at least one of the monomers is methyl methacrylate.

11. (previously presented) The method according to Claim 8, characterized in that the monomers comprise a mixture of butyl acrylate and of methyl methacrylate.

12-21. (canceled)

22. (previously presented) The method of Claim 4 wherein said an alkali metal is selected from the group consisting of Li, Na and K.

23. (canceled)